

## Data Sheet

Crushing / Dispersers



## ULTRA-TURRAX® Tube Drive

Unique and universal dispersing, stirring, homogenizing and grinding system with sealable disposable sample tubes. Protection and security for: Infectious sample materials, toxic substances, high-odor substances under defined conditions (time, energy, volume).

For research purposes only! Not suitable for diagnostic use (in accordance with the IVD Directive).

- Disperse, stir, homogenize and grind using a single drive unit
- No possibility of cross-contamination
- Sealable disposable sample tubes
- No cleaning required
- High level of user safety
- Suitable for individual use and use in series
- Gamma-sterilized tubes
- Tubes with pierceable membrane covers
- Tubes with 2 - 15 ml and 15 - 50 ml
- Reproducible tests
- Patented

Application areas: Human medicine, pathology, veterinary medicine, animal hygiene institutes, Foodstuffs testing laboratories, Toxicology, Medical research, Pharmaceutical research, Biological research, Tumour biology, Chemistry, Cosmetics

Accessories: ST-20 Tube with stirring device (25x), DT-20 Tube with rotor-stator element (25x), DT-20 eco Tube with rotor-stator element (25x), BMT-20-S Tube for grinding with stainless steel balls (25x), BMT-20-G Tube for grinding with glass balls (25x), ST-20-M-gamma Tube with stirring device (20x), DT-20-M-gamma Tube with rotor-stator element (20x), BMT-20-S-M-gamma Tube for grinding with stainless steel balls (20x), ST-50 Tube with stirring device (10x), DT-50 Tube with rotor-stator element (10x), DT-50 eco Tube with rotor-stator element (10x), BMT-50-S Tube for

### Technical Data

Motor rating input [W]	20
Motor rating output [W]	17
Viscosity max. [mPas]	5000
Speed range [rpm]	300 - 6000
Speed deviation [%]	10
Speed display	scale
Speed control	stepless
Noise without element [dB(A)]	50
Process type	batch
Dimensions (W x H x D) [mm]	100 x 40 x 160
Weight [kg]	0.75
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 20
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Current consumption [mA]	800

**Ident. No. 0003646000**

grinding with stainless steel balls (10x), BMT-50-G Tube for grinding with glass balls (10x),  
ST-50-M Tube with stirring device (10x), DT-50-M Tube with rotor-stator element (10x),  
BMT-50-S-M Tube for grinding with stainless steel balls (10x), BMT-50-G-M Tube for grinding with  
glass balls (10x), ST-50-M-gamma Tube with stirring device (10x), DT-50-M-gamma Tube with  
rotor-stator element (10x), BMT-50-S-M-gamma Tube for grinding with stainless steel balls (10x),  
TC-50 Cover, TC-20-M Cover with pierceable membran, TC-50-M Cover with pierceable membran,  
Glass balls for BMT tubes, Stainless steel balls for BMT tubes